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Trans. of [Bolgaraka Akademiya na Naukite. Doklady  
1963, v. 3, no. 2/3, p. 9-12].

DESCRIPTORS: Illumination, \*Sulfur, \*Crystallization,  
Photoelectric effect, Photoelectric cells (Semiconductors)

The photo-potential difference obtained with sulphur  
photocells under completely uniform illumination of  
both electrodes is in essence the contact potential dif-  
ference between the electrodes. Under illumination the  
sulphur becomes a conductor, creating the necessary  
conductive medium for its discovery. (Author)

(Physics--Solid State, TT, v. 10, no. 10)

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SCI - CHEM  
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ditioning the different strength of various cokes was  
carried out. Analysis was also carried out of volu-  
metric changes occurring during the coking process at  
the transformation of coal into coke as causes of crack-  
ing of coke. Taking into account the conclusions result-  
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DESCRIPTORS: \*Coke, Ovens, \*Coal tar, Decomposi-  
tion, \*Distilling plants, \*Benzenes, Collecting methods,  
Pipes, Gas flow.

(Engineering--Chemical, TT, v. 8, no. 11)

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OTS 59-22339

Sci - M/M  
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DESCRIPTORS: \*Coal, \*Coke, \*Metallurgy, Poland.  
For abstract see Technical Translations 6: 266, 1961.

(Materials - Engrs. TT, v. 2, no. 1)

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Sci - Fuels

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DESCRIPTORS: \*Coal, Hydrogenation, \*Coke, Physi-  
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Mild hydrogenation of coal tends to increase the car-  
bon content in coal being hydrogenated. Simultaneously  
with the increase in carbon, there occurs a decrease  
in volatile matter content, which stops, at the second  
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